Durga Charan Potukuru

Senior Software Engineer - Frontend

Senior Software Engineer with expertise in Angular and React frameworks, adept at delivering scalable web applications focused on user experience and performance optimization, leveraging backend technologies like Node.js and .NET to develop seamless end-to-end solutions.

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WORK EXPERIENCE

Senior Software Engineer
Strasz Assessment Systems

06/2020 - Present   *Princeton, NJ*

- Led engineering team of 8 engineers to build and deliver Assessment systems using Angular 13, .Net Core, and Cosmos DB.
- Improved the performance of the CPA exam by 7%, which is delivered hundreds of thousands of times annually.
- Orchestrated and Developed Excel spreadsheet experience in CPA Exam using Grapecity's SpreadJS.
- Designed and Implemented Search feature by creating a custom analyzer using Azure Cognitive Search Index.
- Participated in formal internal design reviews of proposed products and components, providing input on potential technical improvements.

Software Engineer
AmeriHealth Caritas

01/2019 - 06/2020   *Philadelphia, PA*

- Led the client side team to build Single Page Applications using Angular, NgRX, Bootstrap, and HTML.
- Developed RESTful APIs and microservices using Node.js and Express.js, improving backend performance by 30%.
- Created custom Signing Workflow, maintained user accounts and templates in Adobe Sign.
- Collaborated with stakeholders during development processes to confirm creative proposals and design best practices.

Full Stack Developer
Ramky Enviro Engineers Ltd

08/2014 - 07/2017   *Hyderabad, India*

- Completed assignments across 2 simultaneous projects while maintaining exceptional work quality.
- Worked with PassportJS and JSON web tokens for authentication using Node.js.
- Created custom dashboards and data visualizations using D3.js and Highcharts.js, improving data insights and decision-making capabilities by at least 40%.
- Developed continuous integration tool to streamline deployment.

Advanced Inplant Training Associate
Bharat Sanchar Nigam Limited

06/2014   *Hyderabad, India*

- Worked on Operating System structure and essentials, and overview of Windows Servers.
- Designed and implemented web portal with responsive User Interface using Bootstrap.
- Got exposure on Networking elements, Basic Router Configuration, Broadband, IP fundamentals and Cyber Security.

EDUCATION

Master of Science in Applied Computer Science
Northwest Missouri State University

SKILLS

- Frontend Development - Proficient in Angular, Vue and React, adept at implementing responsive designs, managing state, and integrating with backend APIs.
- Backend Proficiency - Experienced in leveraging Node.js and .NET to develop efficient and scalable backend solutions, ensuring seamless integration with frontend applications.
- Web Technologies - HTML, CSS, JavaScript, TypeScript, Bootstrap, LESS, SASS, AJAX, XML, JSON, Webpack, npm, yarn, Nuget, pip.
- Databases - CosmosDB, MongoDB, RavenDB, Microsoft SQL Server.
- Version Control - BitBucket, Git, Azure DevOps Server/Visual Studio Team Foundation Server.
- CI/CD - Azure DevOps, Jenkins, GitHub Actions, Kubernetes, Docker.
- Microsoft Azure - Azure Active Directory, Azure Key Vault, Azure App Service, Azure Functions, Synapse Analytics, Azure Data Lake Storage, Azure Service Bus, Azure Cognitive Search.

CERTIFICATES

Oracle Certified Associate, Java SE 7 Programmer. 🔗

Technical Paper presentation at Infoquest 2014.

PERSONAL PROJECTS

Socio Analyzer (2018)
- Performed sentiment analysis on stream of tweets related to 'metoo'.
- Used python NLTK and TextBlob for Natural Language Processing (NLP) and sentiment calculation respectively with final accuracy of 79 percent.

Conference registration system
- Developed single page application using Angular, MongoDB, Express, Node.js.

Northwest Theatre Ticket Booking
- Developed Single Page Application using React, React Router, Redux, Bootstrap 4, Sass, and Webpack.

Enhancement of Cloud using Fog computing by Administering Decisive Latency and Portability with Decoy Technology.
- Developed a project that demonstrated a 9% improvement in cloud computing latency through the utilization of fog computing.

ORGANIZATIONS

Excellence Leadership Academy.

International Association of Neuro Linguistic Psychology.